



Peer Instruction through examples

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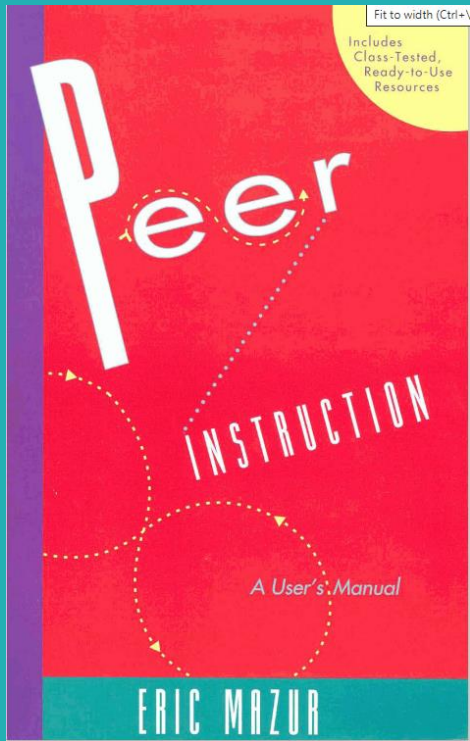


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For twenty and more years now, the physics community has been grappling with the problem of teaching introductory physics to undergraduates who come to class with "misconceptions" about the basic concepts.

The basic concept of *Peer Instruction* is how to challenge students **to think about the physics** instead of **juggling equations**.

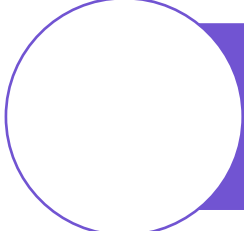
The textbook and the lectures to play roles different from those they play in a conventional course.

“convince-your-neighbors”

Peer Instruction through - step by step



Preclass reading assignments from the book first introduce the material



Lectures elaborate on the reading, address potential difficulties, deepen understanding, build confidence, and add additional examples: **EXPERIMENT!!!**



Instead of presenting the level of detail covered in the textbook or lecture notes, lectures consist of a number of short presentations on key points, each followed by a **ConcepTest**- short conceptual questions on the subject being discussed.

Thank you for your attention